Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

1. (currently amended) A magnet system for a relay comprising:

a coil body with a coil, a flange, and a side arm;

a core partially enclosed by [[a]] the coil;

a yoke having a first yoke leg attached to a first end of the core and a second yoke leg extending parallel to the core, the second yoke leg having an armature mounting portion formed on an upper side of the second yoke leg remote from the coil;

a pole having a first pole leg connected to a second end of the core and a second pole leg extending parallel to the core, the second pole leg having an upper surface substantially aligned with the armature mounting portion such that when an armature is mounted on the armature mounting portion, a working air gap is formed between a coil-side armature face and the upper surface of the second pole leg, the pole is positioned between the side arm and the first flange;

a fixed contact carrier with a fixed contact, the fixed contact carrier having side portions that extend from the fixed contact carrier and hold the fixed contact carrier in pockets of the side arm of the coil body such that the fixed contact is arranged parallel to surfaces of the armature mounting portion and the second pole leg; and

the magnet system is extrusion coated with a plastic material, the coil, the yoke, the pole, and the fixed contact carrier being embedded in the plastic material.

2. (previously presented) The magnet system according to claim 1, wherein the upper surface of the second pole leg includes a crowned pole face.

3. (previously presented) The magnet system according to claim 1, wherein the yoke is L-shaped.

4. (previously presented) The magnet system according to claim 1, wherein the pole is L-shaped.

5. (previously presented) The magnet system according to claim 1, wherein the first pole leg is connected to the core by a U-shaped recess.

6. (previously presented) The magnet system according to claim 1, wherein an edge of the armature mounting portion and an edge of the second pole leg are positioned such that a gap is formed therebetween that is bridged by the armature.

7. (previously presented) The magnet system according to claim 1, wherein the fixed contact arranged on the fixed contact carrier is substantially aligned with the second pole leg.

8. (previously presented) The magnet system according to claim 7, wherein the fixed contact carrier is offset in a direction of the core.

9. (previously presented) The magnet system according to claim 1, wherein the magnet system is mounted on a coil body.

10. (canceled)

11. (currently amended) An electromagnetic relay comprising:

a magnet system having <u>a coil body a side arm, a flange and a coil, and</u> a core body with a core partially enclosed by [[a]] <u>the</u> coil;

a yoke having a first yoke leg attached to a first end of the core and a second yoke leg extending parallel to the core having an armature mounting portion;

a pole having a first pole leg connected to a second end of the core and a second pole leg extending parallel to the core, the pole is positioned between the side arm and the flange;

the magnet system having a fixed contact arranged on a fixed contact carrier substantially aligned with the second pole leg, the fixed contact carrier being offset in a direction of the core and arranged in the coil body, the fixed contact carrier having side portions that extend from the fixed contact carrier and hold the fixed contact carrier in pockets of the side arm of the coil body such that the fixed contact is arranged parallel to surfaces of the armature mounting portion and the second pole leg; and

the magnet system is extrusion coated with a plastic material, the coil, the yoke, the pole, and the fixed contact carrier being embedded in the plastic material.

12. (previously presented) The electromagnetic relay according to claim 11, wherein a sheet-like armature is pivotally mounted on the armature mounting portion, the armature having a spring contact with a switching contact positioned adjacent to the fixed contact.

13. (canceled)

14. (canceled)

15. (previously presented) The electromagnetic relay according to claim 12, wherein a free end of the spring contact is movably received between injection molded webs.

16. (previously presented) The electromagnetic relay according to claim 11, wherein the second pole leg has an upper surface substantially aligned with the armature mounting portion.

17. (previously presented) The electromagnetic relay according to claim 16, wherein an edge of the armature mounting portion and an edge of the second pole leg are positioned such that a gap is formed therebetween that is bridged by the armature.

18. (currently amended) The electromagnetic relay according to claim 12, wherein the spring contact is bent such that the switching contact engages the fixed contact before the armature engages an upper surface of the second pole leg.

19. (previously presented) A method for producing a magnet system for an electromagnetic relay, comprising the steps of:

inserting a magnet system into an injection mold;

allocating a face of an armature mounting portion, a pole leg and a fixed contact carrier, having side portions that extend from the fixed contact carrier and hold the fixed contact carrier in pockets of a side arm of [[the]]a coil body with a flange such that a fixed contact positioned on the fixed contact carrier is arranged parallel to surfaces of the armature mounting portion and the pole leg that is positioned between the side arm and the flange, at complementary reference planes in the injection mold; and

pressing the face of the armature mounting portion, the pole leg and the fixed contact carrier into the associated reference planes to achieve a desired size graduation between the faces.

20. (previously presented) The method of claim 19, further comprising the step of injection molding webs on opposing sides of the fixed contact carrier.